



# UNITED STATES DEPARTMENT OF COMMERCE

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/107,524 06/30/98 CHAMBERS

P PHA-23,406

EXAMINER
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NGUYEN, F

ART UNIT	PAPER NUMBER
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2674

DATE MAILED:

03/28/01

11

NORTH AMERICA CORP.  
U S PHILIPS CORPORATION  
580 WHITE PLAINS ROAD  
TARRYTOWN NY 10591

WM01/0328

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

UK

# Office Action Summary

Application No.  
**09/107,524**

Applicant(s)

**PAUL CHAMBERS**

Examiner

**FRANCIS NGUYEN**

Group Art Unit

**2674**



☒ Responsive to communication(s) filed on Feb 27, 2001

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, **prosecution as to the merits is closed** in accordance with the practice under *Ex parte Quayle*, 35 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire THREE month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

## Disposition of Claim

☒ Claim(s) 23-26 is/are pending in the applicat

Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration

☐ Claim(s) \_\_\_\_\_ is/are allowed.

☒ Claim(s) 23-26 is/are rejected.

☐ Claim(s) \_\_\_\_\_ is/are objected to.

☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.

## Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some\* ☒ None of the CERTIFIED copies of the priority documents have been

☐ received.

☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

## Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s) \_\_\_\_\_

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

— SEE OFFICE ACTION ON THE FOLLOWING PAGES —

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## DETAILED ACTION

### *Continued Prosecution Application*

1. The request filed on 2/27/2001 for a Continued Prosecution Application (CPA) under 37 CFR 1.53(d) based on parent Application No. 09/107,524 is acceptable and a CPA has been established. The preliminary amendment B filed on 2/27/2001 is entered. An action on the CPA follows.

### *Claim Objections*

2. **Claim 23** is objected to because of the following informalities: lack of object for “enabling”( Preliminary Amendment B, page 1 , line 6. Appropriate correction is required.

### *Claim Rejections - 35 USC § 103*

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 23-26 are rejected under U.S.C. 103(a) as being unpatentable over Sawada ( U.S. Patent 6,078,317 ) in view of Fujimoto ( U.S. Patent 5,912,710 ).

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5. As to **claim 23**, Sawada discloses a method of enabling an image to be displayed on a display of a computer ( column 6, lines 17-41, **process flow chart** as shown in figure 5 ). Sawada fails to teach image being stored on a DVD. Fujimoto discloses processing system ( **image display control apparatus** 300 as shown in figure 1) of image stored on a DVD ( **DVD ROM drive** 101, column 5, lines 27-30) with 720x 480 image resolution ( column 8, lines 14-18) so as to have the monitor display the image with an image resolution of  $X \times 480$  and  $X$  is an integer being one of  $X$  substantially equals 800 and  $X$  substantially equals 852 ( **method of converting resolution shown in figure 15, final resolution is 848 x 480, integer X is 848**, column 8, lines 36-37 ). **Note that Fujimoto also teaches image processing for aspect ratio 4:3** ( refer to figure 1, unit 300 ) and **Sawada already discloses SVGA mode 800x600** ( which denotes aspect ratio 4:3). It would have been obvious to a person of ordinary skill at the time of the invention to utilize the method of Sawada and implement the image processing technique of converting resolution of 720x480 to 848x480, as taught by Fujimoto, to obtain the method Sawada modified by Fujimoto, **because it would result in image display high quality and high fidelity to aspect ratio 16:9; therefore, the user can view superior display in high-definition/ extended-definition TV applications , and theatrical applications**. Note Sawada discloses the method comprises enabling said monitor whether it has a display resolution of 800x600 pixels and if said monitor has the display resolution mode of 800 x 600 pixels ( **method steps S1 and S2** as shown in figure 5, **using display mode detector 15** as shown in figure 1).

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6. As to **claim 24**, Sawada discloses an image processing system ( column 2, lines 40-49, column 3, lines 34-40) wherein the system has a computer display monitor with at least a display resolution mode of 800x 600 pixels ( **display unit 4** as shown in figure 1, **SVGA mode**, column 4, lines 46-54), the system is enabled to process an image ( column 3, lines 45-48 ). However, Sawada fails to expressly teach image with a 720x480 image resolution stored on a DVD. Fujimoto discloses processing system ( **image display control apparatus 300** as shown in figure 1) of image stored on a DVD ( **DVD ROM drive 101**, column 5, lines 27-30) with 720x 480 image resolution ( column 8, lines 14-18) so as to have the monitor display the image with an image resolution of X x 480 and X is an integer being one of X substantially equals 800 and X substantially equals 852 ( **final resolution is 848 x 480, integer X is 848**, column 8, lines 36-37 ). **Note that Fujimoto also teaches image processing for aspect ratio 4:3 ( refer to figure 1, unit 300 ) and Sawada already discloses SVGA mode 800x600 ( which denotes aspect ratio 4:3).** It would have been obvious to a person of ordinary skill at the time of the invention to utilize the apparatus of Sawada and implement the image processing technique of converting resolution of 720x480 to 848x480, as taught by Fujimoto, to obtain the apparatus Sawada modified by Fujimoto, **because it would result in image display high quality and high fidelity to aspect ratio 16:9; therefore, the user can view superior display in high-definition/ extended-definition TV applications.**

7. As to **claim 25**, note the same citation for claim 24. Sawada modified by Fujimoto further discloses a DVD player ( see Fujimoto, **DVD drive 101** as shown in figure 1, column 5, lines 15-26).

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8. As to **claim 26**, note the same citation for claim 24. Sawada modified by Fujimoto further discloses the DVD player being enabled to determine a pixel format of an image stored on the DVD ( see Fujimoto, column 5, lines 28-45, column 6, lines 15-17) and the system is enabled to interrogate the monitor about a display capability ( see Sawada, **display mode detector 15**, column 3, lines 49-53).

9. The prior art made of record and not relied upon is considered pertinent to applicant' s disclosure.

U.S. Patent No. 6,151,079 Nagata et al.

The reference Nagata et al. is made of record as it discloses an image display apparatus having circuitry for scaling a picture image based on type of image signal.

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Francis Nguyen whose telephone number is (703) 308-8858. The examiner can normally be reached on weekdays from 8:00 AM to 4:30 PM.

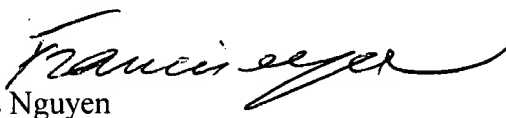
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe, can be reached on (703) 305-4709. The fax phone number for this Group is (703) 308-9051.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-4700.

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Francis Nguyen

March 24th, 2001